Project name	CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY
Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64
Description	Steel calculations sheet

MEASUREMENT SHEET - 1ST & Part Bill

Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
5		**BEAMS**										
		FB1	5									
		FB1 ALONG 1,4,BTW 2-3										
		top bars		20	2	10	22.05	0.00	22.05	220.50	2.4661502	543.79
		top extra bars		20	2	10	11.40	0.00	11.40	114.00	2.4661502	281.14
		bottom bars		20	2	10	21.05	0.00	21.05	210.54	2.4661502	519.22
		bottom extra bars		20	2	10	16.45	0.00	16.45	164.54	2.4661502	405.78
		stirrups @ 150 C/C		10	25	125	1.40	0.00	1.40	175.00	0.6165376	107.89
		stirrups @ 150 C/C		10	117	587	1.40	0.00	1.40	821.52	0.6165376	506.50
		FB2	2									
		FB2 ALONG 1,4,BTW 2-3										
		top bars		20	2	4	21.55	0.00	21.55	86.20	2.4661502	212.58
		top extra bars		20	3	6	11.40	0.00	11.40	68.40	2.4661502	168.68
		bottom bars		20	2	4	21.05	0.00	21.05	84.22	2.4661502	207.69
		bottom extra bars		20	2	4	16.45	0.00	16.45	65.82	2.4661502	162.31
		stirrups @ 150 C/C		10	141	283	1.40	0.00	1.40	395.81	0.6165376	244.03
		FB5	3									
		FB5 ALONG BTW 1-4										
		top bars		25	3	9	16.10	0.00	16.10	144.90	3.8533597	558.35
		top extra bars		25	2	6	12.24	0.00	12.24	73.44	3.8533597	282.99
		bottom bars		25	3	9	15.10	0.00	15.10	135.90	3.8533597	523.67
		bottom extra bars		25	2	6	7.10	0.00	7.10	42.60	3.8533597	164.15
		2Lstirrups @ 100 C/C		10	19	57	1.80	0.00	1.80	102.60	0.6165376	63.26
		2Lstirrups @ 150 C/C		10	90	269	1.80	0.00	1.80	484.20	0.6165376	298.53
		FB3	1									
		FB3ALONG BTW 1-4										
		top bars		16	3	3	11.60	0.00	11.60	34.80	1.5783361	54.93
		top bars		25	3	3	5.20	0.00	5.20	15.60	3.8533597	60.11
		bottom bars		16	3	3	11.60	0.00	11.60	34.80	1.5783361	54.93
		bottom bars		25	3	3	5.20	0.00	5.20	15.60	3.8533597	60.11
		2Lstirrups @ 120 C/C		10	44	44	1.80	0.00	1.80	79.80	0.6165376	49.20
		2Lstirrups @ 150 C/C		10	78	78	1.80	0.00	1.80	141.00	0.6165376	86.93
		FB4	1									
		FB4 ALONG BTW 1-4										
		top bars		20	2	2	16.10	0.00	16.10	32.20	2.4661502	79.41
		top bars extra		20	1	1	12.10	0.00	12.10	12.10	2.4661502	29.84
		bottom bars		20	2	2	15.10	0.00	15.10	30.20	2.4661502	74.48
		bottom extra bars		20	1	1	5.70	0.00	5.70	5.70	2.4661502	14.06
		2Lstirrups @ 150 C/C		10	102	102	1.40	0.00	1.40	142.33	0.6165376	87.75
											Sub-total	**5902.32**

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

Project name	CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY
Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64
Description	Steel calculations sheet

MEASUREMENT SHEET - 1ST & Part Bill

Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
	6	STAIRCASE										
		FB6	1									
		top bars		20	2	2	4.10	0.00	4.10	8.20	2.4661502	20.22
		bottom bars		20	4	4	3.10	0.00	3.10	12.40	2.4661502	30.58
		2Lstirrups @ 200 C/C		10	17	17	1.40	0.00	1.40	23.10	0.6165376	14.24
		SB1	2									
		top bars		16	2	4	2.60	0.00	2.60	10.40	1.5783361	16.41
		bottom bars		20	3	6	3.10	0.00	3.10	18.60	2.4661502	45.87
		2Lstirrups @ 150 C/C		10	18	37	1.34	0.00	1.34	49.13	0.6165376	30.29
		SB2	1									
		top bars		16	2	2	2.60	0.00	2.60	5.20	1.5783361	8.21
		bottom bars		20	3	3	3.10	0.00	3.10	9.30	2.4661502	22.94
		2Lstirrups @ 150 C/C		10	18	18	1.50	0.00	1.50	27.50	0.6165376	16.95
		STAIRCASE SECTION1st & 3rd flight	2									
		16# @100c/c main		16	13	26	4.00	0.00	4.00	104.00	1.5783361	164.15
		16# @200c/c extra		16	7	14	1.60	0.00	1.60	22.40	1.5783361	35.35
		10# @200c/c dis		10	21	42	1.20	0.00	1.20	50.40	0.6165376	31.07
		STAIRCASE SECTION 2nd flight	1									
		12# @100c/c main		12	13	13	3.50	0.00	3.50	45.50	0.8878141	40.40
		12# @100c/c extra		12	13	26	1.60	0.00	1.60	41.60	0.8878141	36.93
		10# @250c/c dis		10	15	30	1.20	0.00	1.20	36.00	0.6165376	22.20
		Entrance staircase										
		STAIRCASE SECTION1-1	1									
		16# @120c/c main		16	16	16	16.60	0.00	16.60	265.60	1.5783361	419.21
		10# @150c/c dis		10	112	112	1.80	0.00	1.80	201.00	0.6165376	123.92
		STAIRCASE SECTION2-2	1									
		16# @120c/c main		16	16	16	6.00	0.00	6.00	96.00	1.5783361	151.52
		10# @150c/c dis		10	36	36	3.40	0.00	3.40	121.27	0.6165376	74.77
											Sub-total	1305.23

CONTRACTOR PMC ASSISTANT ENGINEER 30/12/21/09 ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

Project name	CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY
Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64
Description	Steel calculations sheet

MEASUREMENT SHEET - 1ST & Part Bill

Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
7		LINTEL										
		CONTINUOUS LINTEL										
		Along grid 1-1 & 4-4	2									
		Top bars		16	2	4	21	0.00	21.31	85.26	1.5783361	134.56
		Bottom bars		20	2	4	20.85	0.00	20.85	83.40	2.4661502	205.68
		stirrups		8	175	350	0.80	0.00	0.80	279.60	0.394584	110.33
		Along grid 1-4	2									0.00
		Top bars		16	2	4	16	0.00	15.56	62.24	1.5783361	98.24
		Bottom bars		20	2	4	15.10	0.00	15.10	60.40	2.4661502	148.96
		stirrups		8	134	269	0.80	0.00	0.80	214.93	0.394584	84.81
												0.00
		DOOR-D	2									0.00
		Top bars		12	2	4	3	0.00	2.56	10.24	0.8878141	9.09
		Bottom bars		16	2	4	2	0.00	2.10	8.40	1.5783361	13.26
		8 @ 120C/Cstirrups		8	19	37	0.80	0.00	0.80	29.60	0.394584	11.68
												0.00
		D1	4									0.00
		Top bars		12	2	4	2	0.00	1.66	6.64	0.8878141	5.90
		Bottom bars		16	2	4	1	0.00	1.20	4.80	1.5783361	7.58
		8 @ 120C/Cstirrups		8	11	44	0.80	0.00	0.80	35.20	0.394584	13.89
												0.00
		D2	4									0.00
		Top bars		12	2	4	2	0.00	1.51	6.04	0.8878141	5.36
		Bottom bars		16	2	4	1	0.00	1.05	4.20	1.5783361	6.63
		8 @ 120C/Cstirrups		8	10	39	0.80	0.00	0.80	31.20	0.394584	12.31
											Sub-total	868.26

CONTRACTOR PMC ASSISTANT ENGINEER 30/8/20 21/9 ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

Project name	CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY
Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64
Description	Steel calculations sheet

MEASUREMENT SHEET - 1ST & Part Bill

Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
8		ROOF SLAB										
		GROUND FLOOR										
		SLAB 1										
		10# @110 c/c main bars alternate	1	10	21	21	15.30	0.00	15.30	328.74	0.6165376	202.68
		10# @110 c/c crank bars alt	1	10	21	21	15.30	5.04	20.34	437.03	0.6165376	269.45
		10# @ 220 C/C EXTRA	1	10	21	21	3.20	2.52	5.72	122.90	0.6165376	75.77
		10# @ 220 C/C EXTRA	1	10	21	21	3.00	2.52	5.52	118.60	0.6165376	73.12
		10# @250 c/c distribution		10	66	66	4.70	0.00	4.70	311.14	0.6165376	191.83
		SLAB 2										
		10# @110 c/c main bars alternate	1	10	28	28	12.00	0.00	12.00	335.07	0.6165376	206.58
		10# @110 c/c crank bars alt	1	10	28	28	12.10	5.04	17.14	478.60	0.6165376	295.07
		10# @ 220 C/C EXTRA	1	10	28	28	1.80	2.52	4.32	120.63	0.6165376	74.37
		10# @ 220 C/C EXTRA	1	10	28	28	3.00	2.52	5.52	154.13	0.6165376	95.03
		10# @250 c/c distribution		10	52	66	6.12	0.00	6.12	405.34	0.6165376	249.91
		SLAB NEAR STAIR										
		10# @110 c/c main bars alternate	1	10	13	13	2.83	0.00	2.83	36.53	0.6165376	22.52
		10# @110 c/c crank bars alt	1	10	13	13	2.83	5.04	7.87	101.71	0.6165376	62.71
		10# @ 220 C/C EXTRA	1	10	13	13	1.60	2.52	4.12	53.28	0.6165376	32.85
		10# @250 c/c distribution		10	15	66	3.10	0.00	3.10	205.22	0.6165376	126.53
		SLAB 3										
		10# @110 c/c main bars alternate	1	10	28	28	15.30	0.00	15.30	427.22	0.6165376	263.40
		10# @110 c/c crank bars alt	1	10	28	28	15.30	5.04	20.34	567.95	0.6165376	350.16
		10# @ 220 C/C EXTRA	1	10	28	28	3.20	2.52	5.72	159.72	0.6165376	98.47
		10# @ 220 C/C EXTRA	1	10	28	28	3.00	2.52	5.52	154.13	0.6165376	95.03
		10# @250 c/c distribution		10	64	66	6.12	0.00	6.12	405.34	0.6165376	249.91
		SLAB 4										
		10# @110 c/c main bars alternate	1	10	21	21	15.30	0.00	15.30	328.25	0.6165376	202.38

CONTRACTOR PMC ASSISTANT ENGINEER 30/12/21/69 ASSISTANT EXECUTIVE ENGINEER

SUDHARAPRASAD CONSULTANTS BANGALORE

Project name	CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY
Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64
Description	Steel calculations sheet

MEASUREMENT SHEET - 1ST & Part Bill

Measurements		Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage				mm			m	m	m	m	kg/m	Kg's
From	To											
		10# @110 c/c crank bars alt	1	10	21	21	15.30	5.04	20.34	436.39	0.6165376	269.05
		10# @ 220 C/C EXTRA	1	10	21	21	3.20	2.52	5.72	122.72	0.6165376	75.66
		10# @ 220 C/C EXTRA	1	10	21	21	3.00	2.52	5.52	118.43	0.6165376	73.02
		10# @250 c/c distribution		10	64	66	5.70	0.00	5.70	377.34	0.6165376	232.64
											Sub-total	3888.15
											Total Steel Quantity in Kg	28518.49
											Total Steel Quantity in tonne	28.52

CONTRACTOR PMC ASSISTANT ENGINEER 30/12/19 ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No.45		Providing and constructing load beraing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to I.S 2185 (Part I) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing hire charges of machineries etc. complete as per specifications. Ground floor							
		Ground floor							
		Along Grid 1-1	sqm	1	21.05		2.500	52.6	
		Along Grid A-A	sqm	1	14.90		2.500	37.3	
		Along Grid E-E	sqm	1	14.90		2.500	37.3	
		Along Grid 4-4	sqm	1	21.05		2.500	52.6	
		Along Grid B-B	sqm	1	14.90		2.500	37.3	
		Between grid A-B	sqm	1	4.51		2.500	11.3	
		Along Grid D-D	sqm	1	9.70		2.500	24.3	
		Between grid D-E	sqm	2	4.5		3.000	27.00	
		Deductions							
		MD	Sqm	1	2.00		2.80	-5.60	
		D	Sqm	2	1.80		2.80	-10.08	
		D1	Sqm	4	0.90		2.10	-7.56	
		D2	Sqm	8	0.75		2.10	-12.60	
		W	Sqm	11	1.80		1.60	-31.68	
		W1	Sqm	4	1.20		1.60	-7.68	
		V	Sqm	8	0.60		0.60	-2.88	
		staircase							
			Sqm	2	1.20		0.45	1.08	
							Total	**201.45**	

CONTRACTOR PMC ..ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No.50		Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work (GROUND FLOOR)							
		Between grid A-B	sqm	1	3.31		3.000	9.93	
		toilet partions	sqm	6	1.3		3	23.40	
			sqm	8	1.1		3	26.40	
		deductions							
			sqm	8	0.75		2.1	-12.60	
							Total	**47.13**	
							Quantity Limited to	**46.50**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

30/11 30/11

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
Item No.52		KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.							
		kitchen	sqm	1	11.3	4.3	0.15	7.29	
		store room	sqm	1	3.1	2.8	0.15	1.30	
		gas bank	sqm	1	3.1	1.5	0.15	0.70	
		dining hall	sqm	1	12.3	14.6	0.15	26.94	
		toilets	sqm	2	4.8	4.3	0.15	6.19	
		lobby	sqm	1	4.6	4.3	0.15	2.97	
							Total	45.38	
							Qty upto 125%	37.83	
							Qty above 125%	7.56	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
E1		KSRB 2.2.6 : Excavation 1.5m and above in width in hard rock by chiselling and / or wedging, where blasting is prohibited for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m. in depth stacking the excavated stuff clear from the edge of excavation with lead upto 50m including cost of labour complete as per specifications.							
		Footing							
		A1	cum	1	3.8	3.1	3.45	40.6	
		A2	cum	1	3	3.3	2.67	26.4	
		A3	cum	1	3	3	2.65	23.9	
		A4	cum	1	3	3.2	1.7	16.3	
		A5	cum	1	2.9	2.3	2.35	15.7	
		B1	cum	1	3.1	3.8	3.45	40.6	
		B2	cum	1	3	3.3	2.75	27.2	
		B3	cum	1	3	3	2.65	23.9	
		B4	cum	1	3	3.2	1.35	13.0	
		B5	cum	1	2.9	2.3	2.35	15.7	
		C1	cum	1	2	2.4	2.9	13.9	
		C5	cum	1	2.9	2.3	2.35	15.7	
		C5	cum	1	2.9	2.3	2.35	15.7	
		D1	cum	1	2.5	2.3	2.65	15.2	
		D2	cum	1	3	2.8	2.95	24.8	
		D3	cum	1	3.05	3.3	2.35	23.7	
		D4	cum	1	2.7	3.3	2	17.8	
		D5	cum	1	2.9	2.3	2.35	15.7	
		E1	cum	1	2.5	2.3	2.65	15.2	
		E2	cum	1	3	3	1.5	13.5	
		E3	cum	1	3.05	3.3	2.25	22.6	
		E4	cum	1	2.9	2.5	1.75	12.7	
		E5	cum	1	2.9	2.3	1.5	10.0	
		B6	cum	1	1.40	1.40	1.500	2.9	
		C6	cum	2	1.40	1.40	1.500	5.9	
		D6	cum	1	1.40	1.40	1.500	2.9	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

9/7 9/7

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		For SSM							
		Along Grid 1-1	cum	1	9.85	0.60	0.750	4.4	
		Along Grid 2-2	cum	1	9.65	0.60	0.750	4.3	
		Along Grid 3-3	cum	1	9.65	0.60	0.750	4.3	
		Along Grid 4-4	cum	1	9.85	0.60	0.750	4.4	
		Along Grid A1-E1	cum	1	5.90	0.60	0.750	2.7	
		Along Grid A5-E5	cum	1	3.60	0.60	0.750	1.6	
		Between grid 1-2 &4-	cum	6	0.60	0.60	0.750	1.6	
		Between grid A-B	cum	1	3.30	0.60	0.750	1.5	
		Between grid D-E	cum	1	4.70	0.60	0.750	2.1	
		Between grid D-E	cum	1	3.70	0.60	0.750	1.7	
		Between grid D-E	cum	1	9.60	0.60	0.750	4.3	
		Between grid D-E	cum	6	1.40	0.60	0.750	3.8	
		Between grid D-E	cum	8	1.20	0.60	0.750	4.3	
		For staircase							
		entrance staircase	cum	2	1.80	0.80	0.900	2.6	
		inside staircase	cum	1	1.20	0.60	0.900	0.6	
		front staircase	cum	1	3.00	0.60	0.900	1.6	
							Total	**517.52**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
E2		Pg No.147 Item No.19.60 KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305.							
		Filling in foundations							
		same as excavated earth quantity	cum					**517.52**	
		For SSM							
		Along Grid 1-1	cum	1	9.85	0.45	1.100	4.9	
		Along Grid 2-2	cum	1	9.65	0.45	1.100	4.8	
		Along Grid 3-3	cum	1	9.65	0.45	1.100	4.8	
		Along Grid 4-4	cum	1	9.85	0.45	1.100	4.9	
		Along Grid A1-E1	cum	1	5.90	0.45	1.100	2.9	
		Along Grid A5-E5	cum	1	3.60	0.45	1.100	1.8	
		Between grid 1-2 &4-3	cum	6	0.60	0.45	1.100	1.8	
		Between grid A-B	cum	1	3.30	0.60	1.500	3.0	
		Between grid D-E	cum	1	4.70	0.60	1.500	4.2	
		Between grid D-E	cum	1	3.70	0.60	1.500	3.3	
		Between grid D-E	cum	1	9.60	0.60	1.500	8.6	
		Between grid D-E	cum	6	1.40	0.60	1.500	7.6	
		Between grid D-E	cum	8	1.20	0.60	1.500	8.6	
		For Plinth beam							
		Along Grid 1-1	cum	1	20.85	0.20	0.500	2.1	
		Along Grid 2-2	cum	1	20.85	0.20	0.500	2.1	
		Along Grid 3-3	cum	1	20.85	0.20	0.500	2.1	
		Along Grid 4-4	cum	1	20.85	0.20	0.500	2.1	
		Along Grid A1-E1	cum	1	15.10	0.20	0.500	1.5	
		Along Grid A5-E5	cum	1	15.10	0.20	0.500	1.5	
		Between grid 1-2 &4-3	cum	6	3.30	0.20	0.500	2.0	
		Between grid 5-6	cum	2	2.40	0.20	0.500	0.5	
		Between grid 5-6	cum	2	3.60	0.20	0.500	0.7	
		column upto ground level							
		A1	cum	1	0.2	0.5	2.8	0.3	

CONTRACTOR PMC RUDRAPRASAD CONSULTANTS BANGALORE 24/8 ASSISTANT ENGINEER 24/8 ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY									
MEASUREMENT SHEET - 1ST & Part Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		A2	cum	1	0.2	0.5	2.42	0.2	
		A3	cum	1	0.2	0.5	2.5	0.3	
		A4	cum	1	0.2	0.5	0.95	0.1	
		A5	cum	1	0.2	0.5	2.26	0.2	
		B1	cum	1	0.2	0.6	2.95	0.4	
		B2	cum	1	0.2	0.6	2.21	0.3	
		B3	cum	1	0.2	0.6	2.23	0.3	
		B4	cum	1	0.2	0.6	0.78	0.1	
		B5	cum	1	0.2	0.6	1.96	0.2	
		C1	cum	1	0.2	0.5	2.45	0.2	
		C5	cum	1	0.2	0.5	1.96	0.2	
		C5	cum	1	0.2	0.5	1.8	0.2	
		D1	cum	1	0.2	0.6	2.4	0.3	
		D2	cum	1	0.2	0.6	2.35	0.3	
		D3	cum	1	0.2	0.6	1.54	0.2	
		D4	cum	1	0.2	0.6	1.55	0.2	
		D5	cum	1	0.2	0.6	1.73	0.2	
		E1	cum	1	0.2	0.5	2.32	0.2	
		E2	cum	1	0.2	0.5	1.5	0.2	
		E3	cum	1	0.2	0.5	1.85	0.2	
		E4	cum	1	0.2	0.5	1.57	0.2	
		E5	cum	1	0.2	0.5	0.6	0.1	
		B6	cum	1	0.13		0.600	0.1	
		C6	cum	2	0.13		0.600	0.2	
		D6	cum	1	0.13		0.600	0.1	
		PCC							
		Footing							
		A3	cum	1	3	3	0.15	1.4	
		A5	cum	1	2.9	2.3	0.15	1.0	
		B3	cum	1	3	3	0.15	1.4	
		B5	cum	1	2.9	2.3	0.15	1.0	
		C5	cum	1	2.9	2.3	0.15	1.0	

CONTRACTOR PMC

RUDRAPRASAD CONSULTANTS BANGALORE

24/8 ASSISTANT ENGINEER

24/8 ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
		C5	cum	1	2.9	2.3	0.15	1.0	
		D4	cum	1	2.7	3.3	0.15	1.3	
		D5	cum	1	2.9	2.3	0.15	1.0	
		E3	cum	1	3.05	3.3	0.15	1.5	
		E4	cum	1	2.9	2.5	0.15	1.1	
		B6	cum	1	1.40	1.40	0.150	0.3	
		C6	cum	2	1.40	1.40	0.150	0.6	
		D6	cum	1	1.40	1.40	0.150	0.3	
		For SSM							
		Along Grid 1-1	cum	1	9.85	0.60	0.150	0.9	
		Along Grid 2-2	cum	1	9.65	0.60	0.150	0.9	
		Along Grid 3-3	cum	1	9.65	0.60	0.150	0.9	
		Along Grid 4-4	cum	1	9.85	0.60	0.150	0.9	
		Along Grid A1-E1	cum	1	5.90	0.60	0.150	0.5	
		Along Grid A5-E5	cum	1	3.60	0.60	0.150	0.3	
		Between grid 1-2 &4-	cum	6	0.60	0.60	0.150	0.3	
		Between grid A-B	cum	1	3.30	0.60	0.150	0.3	
		Between grid D-E	cum	1	4.70	0.60	0.150	0.4	
		Between grid D-E	cum	1	3.70	0.60	0.150	0.3	
		Between grid D-E	cum	1	9.60	0.60	0.150	0.9	
		Between grid D-E	cum	6	1.40	0.60	0.150	0.8	
		Between grid D-E	cum	8	1.20	0.60	0.150	0.9	
		For staircase							
		entrance staircase	cum	2	1.80	0.80	0.150	0.4	
		inside staircase	cum	1	1.20	0.60	0.150	0.1	
		front staircase	cum	1	3.00	0.60	0.150	0.3	
		For staircase ssm							
		entrance staircase	cum	2	1.80	0.80	0.750	2.2	
		inside staircase	cum	1	1.20	0.60	0.750	0.5	
		front staircase	cum	1	3.00	0.60	0.750	1.4	
			cum	1	3.00	1.20	0.150	0.5	
							Total	**410.23**	

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY

MEASUREMENT SHEET - 1ST & Part Bill

Agency	Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64

Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
E3		Pg No.147 Item No.19.60 KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305.							
		between plinth level to ground level filling							
		backfill	cum	1	20.85	15.1	0.95	297.52	
		deductions							
		plinth beam							
		Along Grid 1-1	cum	1	20.85	0.20	0.5	-2.1	
		Along Grid 2-2	cum	1	20.85	0.20	0.5	-2.1	
		Along Grid 3-3	cum	1	20.85	0.20	0.5	-2.1	
		Along Grid 4-4	cum	1	20.85	0.20	0.5	-2.1	
		Along Grid A1-E1	cum	1	15.10	0.20	0.5	-1.5	
		Along Grid A5-E5	cum	1	15.10	0.20	0.5	-1.5	
		Between grid 1-2 &4-	cum	6	3.30	0.20	0.5	-2.0	
		ssm							
		Along Grid 1-1	cum	1	20.85	0.45	0.50	-4.7	
		Along Grid 2-2	cum	1	20.85	0.45	0.50	-4.7	
		Along Grid 3-3	cum	1	20.85	0.45	0.50	-4.7	
		Along Grid 4-4	cum	1	20.85	0.45	0.50	-4.7	
		Along Grid A1-E1	cum	1	15.10	0.45	0.50	-3.4	
		Along Grid A5-E5	cum	1	15.10	0.45	0.50	-3.4	
		Between grid 1-2 &4-	cum	6	3.30	0.45	0.50	-4.5	
							Total	**254.17**	

CONTRACTOR PMC ASSISTANT ENGINEER 28/8 ASSISTANT EXECUTIVE ENGINEER 28/8

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :CONSTRUCTION OF MARRIAGE COMMUNITY HALL CHIKKABETTAHALLI VILLAGE IN WARD NO-03 OF YELAHANKA ASSEMBLY CONSTITUENCY									
MEASUREMENT SHEET - 1ST & Part Bill									
Agency		Sri H.V.Onkarappa Class-1 PWD Contractor,#27,Taralabalu Enclave,Near Police Station,Yelahanka,Bangalore-64							
Measurements		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Chainage									
From	To								
E4		Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms.(Refer Table. Page No.139)							
		Considered same Qty videI.No.2+I.No.9						517.52	
		Average Weight of Earth (1.28 Ton/cum, Basic rate Rs.2.50 Tonne/Km.) For 15 Kms = (2.5 x 2.63 x 15)/-							
		KSRRB M100-1 Add loading & unloading (P.No.130,I.No.17.1)							
							Total	517.52	

CONTRACTOR

PMC

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER